

MINNESOTA AG NEWS

WEEKLY CROP-WEATHER



USDA, NASS, MINNESOTA
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USDA, NASS, MINNESOTA FIELD OFFICE, IN COOPERATION WITH THE NATIONAL WEATHER SERVICE - CHANHASSEN MN,
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

CROP CONDITIONS IMPROVED WITH RAIN

Cool weather and rain boosted statewide topsoil moisture supplies and improved crop conditions, according to USDA, NASS, Minnesota Field Office. Heavy rains in the southeast corner of the state caused flooding and created a region of muddy field conditions. Portions of northern and central Minnesota received less rain and remained short or very short of topsoil moisture. Reports of hail were received in isolated areas of central Minnesota.

The average temperature for the week was 64.8°, 1.6° below normal. Statewide topsoil moisture supplies as of Friday were rated 16 percent very short, 22 short, 52 adequate, and 10 surplus.

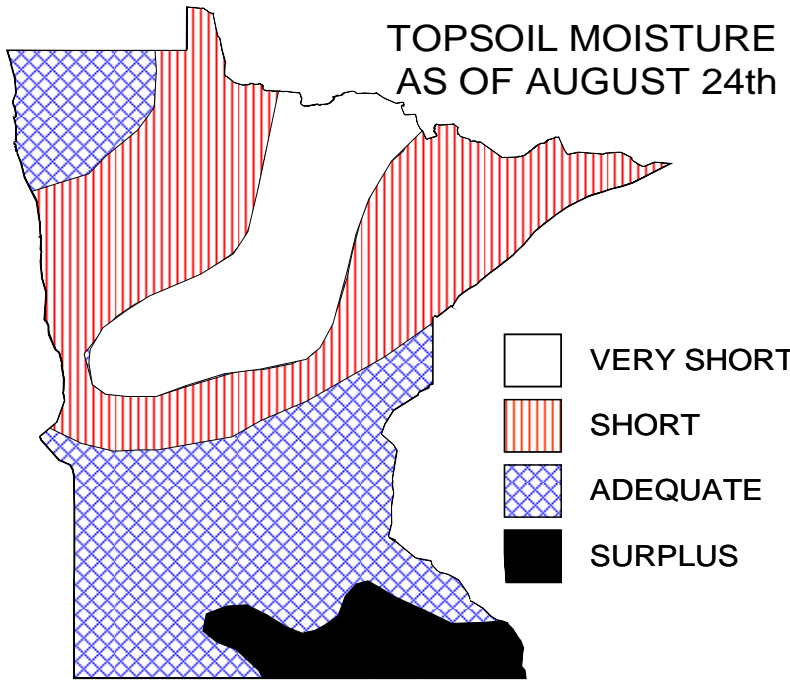
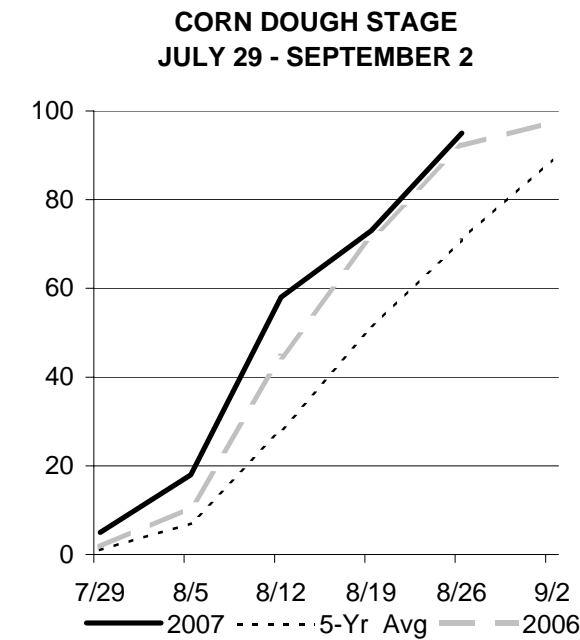
Minnesota’s corn and soybean crops continue to mature ahead of the average pace. As of Sunday Aug 26th, 96 percent of corn acreage had reached the dough stage compared to 71 percent for the five-year average. Seventy-six percent of corn reached the dent stage, compared to 35 percent average. Four percent of corn was mature, compared to 1 percent average. Twenty-two percent of soybeans were turning yellow, compared to 13 percent average. The spring wheat harvest was 96 percent complete, about three weeks ahead of average.

As of Friday, Aug 24th, forty percent of field corn, and 54 percent of soybean were rated in good or excellent condition. Ninety-two percent of potatoes, 59 percent of sunflowers, and 63 percent of sugarbeets were rated in good or excellent condition.

Days Suitable for Fieldwork: 3.1				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	16	22	52	10

Crop Progress as of August 26, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
----- Percent -----					
Corn	Dough	96	73	92	71
	Denting	76	37	61	35
	Mature	4	0	3	1
	Silage	17	16	14	6
Soybeans	Turning Yellow	22	6	18	13
	Dropping Leaves	2	0	3	1
Spring Wheat	Combined	96	81	96	71
Sweet Corn	Harvested	58	49	65	53
Potatoes	Harvested	30	23	31	23
Dry Beans	Harvested	0	0	4	1
Canola	Harvested	65	35	79	51

Crop Condition as of August 24, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	22	24	32	19	3
Corn	13	16	31	33	7
Soybeans	6	11	29	43	11
Sugarbeets	2	6	29	44	19
Potatoes	0	1	7	70	22
Dry Beans	5	9	32	44	10
Canola	1	7	28	50	14
Sunflowers	2	5	34	42	17



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING August 26,2007:
Temperatures averaged from 4.0 degrees below normal in the West Central District to 0.2 degrees below normal in the South Central District. Extremes: 35 degrees in Hibbing; 90 degrees in Moorhead. Precipitation averaged from 0.69 inch below normal in the Northeast District to 1.11 inch above normal in the Southwest District. Greatest weekly total was 3.70 inches recorded in Worthington.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 8/20/2007 through 8/26/2007

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 3	Depart from Norm
<u>NW DIST 1</u>										
Crookston	86	46	63.4	-3.2	.07	-.58	-1.18	.85	1914	55
Moorhead	90	45	65.6	-2.0	.31	-.25	-.79	2.84	2127	183
Warroad	81	47	61.5	-2.5	.31	-.33	-1.14	1.70	1757	129
<u>NC DIST 2</u>										
Grand Rapids	85	44	62.2	-1.3	.10	-.69	-2.94	-6.81	1898	267
Intl. Falls	84	42	61.2	-1.1	.46	-.26	-1.68	-1.16	1601	69
Itasca	82	45	60.4	-2.4	.32	-.50	-2.76	-.16	1793	263
<u>NE DIST 3</u>										
Duluth	83	49	63.0	.6	.06	-.91	-3.54	-6.64	1638	215
Grand Marais	72	48	60.2	-1.8	.30	-.41	-2.30	-4.54	973	-81
Hibbing	83	35	57.4	-4.7	0	-.75	-3.21	-8.79	1603	118
<u>WC DIST 4</u>										
Alexandria	85	52	65.5	-.9	.11	-.70	-2.73	-7.58	2109	250
Browns Valley	81	41	61.7	-6.8	.24	-.35	-.32	4.99	1994	-57
Canby	76	52	64.2	-5.5	.54	-.07	1.11	-.56	2227	82
Fergus Falls	83	47	62.6	-4.3	.12	-.57	-1.71	2.27	2062	179
Montevideo	84	52	66.2	-2.2	.15	-.54	2.62	-1.63	2174	131
Morris	80	49	63.4	-4.2	.48	-.21	-.42	-1.67	2052	60
<u>CENT DIST 5</u>										
Becker	78	56	65.2	-.5	1.14	.19	.72	-5.50	2215	375
Collegeville	84	52	67.1	-1.7	.58	-.29	2.01	-3.94	2324	244
Hutchinson	80	56	66.4	-1.5	.97	.09	1.08	-4.58	2253	187
Olivia	79	55	65.0	-2.1	.46	-.31	.77	-3.08	2139	126
St. Cloud	83	53	65.7	-.0	.39	-.52	.51	-3.73	2121	281
Staples	83	47	61.0	-3.2	.10	-.59	-2.45	-2.35	1884	220
Willmar	80	54	64.1	-3.4	3.65	2.79	2.54	-1.51	2199	192
<u>EC DIST 6</u>										
Aitkin	84	43	62.9	-.4	.30	-.54	-2.26	-6.90	1846	270
Forest Lake	78	55	65.2	-2.0	.64	-.38	.67	-4.53	2180	218
MSP Airport	82	59	68.5	-.7	1.40	.51	4.24	-.99	2453	313
St. Paul - UofM	81	58	68.2	-1.6	.52	-.45	-.45	-8.12	2450	255
<u>SW DIST 7</u>										
Lamberton	84	56	66.9	-1.1	1.80	1.05	2.21	-.89	2214	123
Pipestone	83	52	66.6	-1.3	2.16	1.46	3.12	-2.78	2173	164
Redwood Falls	84	55	68.5	-1.2	.41	-.38	3.47	-1.44	2262	55
Worthington	84	54	67.6	.8	3.70	2.92	8.73	4.57	2210	250
<u>SC DIST 8</u>										
Faribault	82	54	67.3	-.2	1.13	.14	2.85	-2.78	2212	218
Mankato	80	50	66.5	-2.0	1.40	.40	3.80	-3.37	2218	138
Waseca	84	55	68.2	.5	1.15	.13	6.15	2.25	2205	176
Winnebago	84	55	69.4	1.0	.97	.05	2.71	-4.45	2189	93
<u>SE DIST 9</u>										
Preston	81	50	67.2	.2	2.14	1.09	7.94	6.64	2040	128
Red Wing	80	56	67.0	-1.6	1.44	.55	5.10	-.73	2230	166
Rochester	82	54	68.2	1.6	.32	-.62	8.44	3.00	2201	310
Rosemount	78	57	65.8	-1.5	1.39	.36	3.94	-2.01	2231	261
Winona	79	56	67.0	-3.5	.82	-.11	8.56	6.95	2160	-119

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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